

WORK EXPERIENCE

FULL STACK ENGINEER (HATCHWAYS)

MAR 2020 – PRESENT

- Hatchways is an early stage startup that matches software engineers with jobs by assessing them on projects and providing interview preparation
- Developed new functionality on the Flask backend by creating endpoints, middleware, and using Google Cloud NDB
- Implemented new user flows and responsive pages on the frontend using React and Material-UI
- Modularized frontend by creating new components when page sections are repeated
- Automated outreach tasks using Python Selenium

SOFTWARE ENGINEER INTERN (ALTUMVIEW SYSTEMS)

MAY 2019 – AUG 2019

- Collaborated in a team of 6 on an Android and iOS app using Xamarin Forms
- Implemented Android bottom navigation using a custom renderer in C#
- Wrote unit, functional, and integrated tests to ensure proper app function
- Created a caching algorithm and abstracted it into a class, increasing app modularity and maintainability

SOFTWARE ENGINEER INTERN (ALTUMVIEW SYSTEMS)

JAN 2019 – APR 2019

- Individually designed and built a configurable AI Robot that uses deep learning to detect and chase people, animals, or objects – Video: [Vimeo.com/363058196](https://vimeo.com/363058196)
- Drove decision making for the robot with a multithreaded program that combines sensor data, camera input, and TensorFlow Lite powered deep learning
- Implemented educational projects using object-oriented design to make them modular and extensible

PROJECT MANAGEMENT INTERN (ALTUMVIEW SYSTEMS)

MAY 2018 – SEP 2018

- Defined features, created user stories and wrote two product requirement documents, resulting in a clear direction for the projects

PROJECTS

PERSONAL PROJECT (TUTORO – TUTOR MATCHING SERVICE) – [DEMO.TUTORO.APP](#)

JAN 2020

- Developed a peer tutor matching service for universities with a Postgres-Django-React-Redux stack
- Designed a relational database schema for logical and easy data access
- Implemented a REST API to register, login, verify email via token URL, authenticate session token, retrieve user information, and match tutors with students

NWHACKS 2020 PROJECT (VIBECHECK – CURATED MUSIC)

JAN 2020

- Developed a flask server with endpoints to deliver payloads between front and back-end

DUBHACKS 2019 PROJECT (TIDBITS - MOOD TRACKER) – AZURE PRIZE FINALIST

OCT 2019

- Integrated Azure NLP sentiment analysis and entity extraction services into app with Python classes

ACCOMPLISHMENTS

FINALIST – CANADA-WIDE [CODE TO WIN COMPETITION](#) – TOP 50 IN CANADA

JAN 2020

SKILLS/KNOWLEDGE

LANGUAGES AND TECHNOLOGIES: Python | Javascript | React | C# | C++ | Keras | Django | Git | Docker

EDUCATION

B. SCIENCE – COMPUTING SCIENCE, SIMON FRASER UNIVERSITY, APRIL 2020

B. ARTS - PSYCHOLOGY, SIMON FRASER UNIVERSITY, FEBRUARY 2015